

# 2006-2008 Flagstaff MSA<sup>1</sup> Occupational Projections *Revised*

Standard Occupation Classification (SOC) <sup>2</sup>		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2006 Estimated	2008 Projected	Number	Percent	Due to Growth	Due to Separations	Total <sup>3</sup>
00-0000	Total, All Occupations	69,322	71,174	1,852	2.67%	1,252	1,809	3,061
<b>11-0000</b>	<b>Management Occupations</b>	<b>4,075</b>	<b>4,192</b>	<b>117</b>	<b>2.87%</b>	<b>70</b>	<b>68</b>	<b>138</b>
11-1000	Top Executives	1,203	1,258	55	4.57%	28	20	48
11-1011	Chief Executives	241	248	7	2.90%	4	4	8
11-1021	General and Operations Managers	952	999	47	4.94%	24	16	40
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	218	230	12	5.50%	6	3	9
11-2021	Marketing Managers	68	73	5	7.35%	3	1	4
11-2022	Sales Managers	98	104	6	6.12%	3	2	5
11-3000	Operations Specialties Managers	391	401	10	2.56%	5	6	11
11-3011	Administrative Services Managers	108	110	2	1.85%	1	2	3
11-3031	Financial Managers	131	134	3	2.29%	2	2	3
11-9000	Other Management Occupations	2,263	2,303	40	1.77%	32	39	71
11-9021	Construction Managers	194	175	-19	-9.79%	0	3	3
11-9032	Education Administrators, Elementary and Secondary School	64	67	3	4.69%	2	2	3
11-9033	Education Administrators, Postsecondary	110	108	-2	-1.82%	0	3	3
11-9039	Education Administrators, All Other	85	84	-1	-1.18%	0	2	2
11-9041	Engineering Managers	58	61	3	5.17%	2	1	3
11-9051	Food Service Managers	418	436	18	4.31%	9	7	16
11-9081	Lodging Managers	209	219	10	4.78%	5	3	8
11-9111	Medical and Health Services Managers	109	112	3	2.75%	2	2	4
11-9121	Natural Sciences Managers	61	61	0	0.00%	0	1	1
11-9141	Property, Real Estate, and Community Association Managers	372	380	8	2.15%	4	7	11
11-9151	Social and Community Service Managers	171	180	9	5.26%	5	3	8
11-9199	Managers, All Other	349	355	6	1.72%	3	6	9
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>1,981</b>	<b>2,069</b>	<b>88</b>	<b>4.44%</b>	<b>45</b>	<b>32</b>	<b>76</b>
13-1000	Business Operations Specialists	1,240	1,290	50	4.03%	26	20	45
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	106	109	3	2.83%	2	3	4
13-1051	Cost Estimators	65	68	3	4.62%	2	2	3
13-1073	Training and Development Specialists	159	165	6	3.77%	3	2	5
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	55	58	3	5.45%	2	1	3
13-1111	Management Analysts	249	255	6	2.41%	3	3	6
13-1121	Meeting and Convention Planners	132	141	9	6.82%	5	3	7

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13-1199	Business Operations Specialists, All Other	288	303	15	5.21%	8	4	12
13-2000	Financial Specialists	741	779	38	5.13%	19	12	31
13-2011	Accountants and Auditors	428	452	24	5.61%	12	8	20
13-2052	Personal Financial Advisors	87	93	6	6.90%	3	1	4
13-2072	Loan Officers	100	104	4	4.00%	2	2	4
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>823</b>	<b>850</b>	<b>27</b>	<b>3.28%</b>	<b>16</b>	<b>10</b>	<b>26</b>
15-1000	Computer Specialists	809	835	26	3.21%	16	10	25
15-1021	Computer Programmers	149	144	-5	-3.36%	0	4	4
15-1031	Computer Software Engineers, Applications	110	117	7	6.36%	4	1	5
15-1032	Computer Software Engineers, Systems Software	74	78	4	5.41%	2	1	3
15-1041	Computer Support Specialists	204	208	4	1.96%	2	2	4
15-1051	Computer Systems Analysts	68	72	4	5.88%	2	1	3
15-1071	Network and Computer Systems Administrators	64	71	7	10.94%	4	1	4
15-1081	Network Systems and Data Communications Analysts	54	58	4	7.41%	2	1	3
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>580</b>	<b>615</b>	<b>35</b>	<b>6.03%</b>	<b>18</b>	<b>11</b>	<b>29</b>
17-1000	Architects, Surveyors, and Cartographers	70	71	1	1.43%	1	2	3
17-2000	Engineers	380	405	25	6.58%	13	6	19
17-2051	Civil Engineers	94	94	0	0.00%	0	2	2
17-2141	Mechanical Engineers	78	83	5	6.41%	3	2	5
17-2199	Engineers, All Other	118	129	11	9.32%	6	2	8
17-3000	Drafters, Engineering, and Mapping Technicians	130	139	9	6.92%	5	3	8
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>1,473</b>	<b>1,515</b>	<b>42</b>	<b>2.85%</b>	<b>22</b>	<b>33</b>	<b>55</b>
19-1000	Life Scientists	205	207	2	0.98%	2	6	7
19-1029	Biological Scientists, All Other	54	56	2	3.70%	1	2	3
19-1031	Conservation Scientists	62	63	1	1.61%	1	2	2
19-2000	Physical Scientists	462	490	28	6.06%	14	10	24
19-2041	Environmental Scientists and Specialists, Including Health	85	86	1	1.18%	1	2	2
19-2099	Physical Scientists, All Other	297	322	25	8.42%	13	7	19
19-3000	Social Scientists and Related Workers	275	283	8	2.91%	4	7	11
19-3031	Clinical, Counseling, and School Psychologists	124	128	4	3.23%	2	3	5
19-3091	Anthropologists and Archeologists	74	76	2	2.70%	1	2	3
19-4000	Life, Physical, and Social Science Technicians	531	535	4	0.75%	3	12	14
19-4021	Biological Technicians	104	104	0	0.00%	0	2	2
19-4093	Forest and Conservation Technicians	323	323	0	0.00%	0	8	8
19-4099	Life, Physical, and Social Science Technicians, All Other	59	62	3	5.08%	2	2	3
<b>21-0000</b>	<b>Community and Social Services Occupations</b>	<b>836</b>	<b>858</b>	<b>22</b>	<b>2.63%</b>	<b>13</b>	<b>15</b>	<b>28</b>
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	818	839	21	2.57%	13	14	27
21-1012	Educational, Vocational, and School Counselors	142	138	-4	-2.82%	0	3	3

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21-1014	Mental Health Counselors	108	112	4	3.70%	2	2	4
21-1021	Child, Family, and School Social Workers	88	90	2	2.27%	1	2	3
21-1022	Medical and Public Health Social Workers	73	76	3	4.11%	2	1	3
21-1092	Probation Officers and Correctional Treatment Specialists	134	138	4	2.99%	2	2	4
21-1093	Social and Human Service Assistants	93	96	3	3.23%	2	2	3
<b>23-0000</b>	<b>Legal Occupations</b>	<b>311</b>	<b>327</b>	<b>16</b>	<b>5.14%</b>	<b>9</b>	<b>3</b>	<b>12</b>
23-1000	Lawyers, Judges, and Related Workers	218	230	12	5.50%	7	3	9
23-1011	Lawyers	198	211	13	6.57%	7	3	9
23-2000	Legal Support Workers	93	97	4	4.30%	2	1	3
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>5,036</b>	<b>5,116</b>	<b>80</b>	<b>1.59%</b>	<b>52</b>	<b>101</b>	<b>153</b>
25-1000	Postsecondary Teachers	1,624	1,607	-17	-1.05%	2	35	37
25-1011	Business Teachers, Postsecondary	82	81	-1	-1.22%	0	2	2
25-1042	Biological Science Teachers, Postsecondary	61	60	-1	-1.64%	0	2	2
25-1071	Health Specialties Teachers, Postsecondary	104	103	-1	-0.96%	0	2	2
25-1121	Art, Drama, and Music Teachers, Postsecondary	81	80	-1	-1.23%	0	2	2
25-1122	Communications Teachers, Postsecondary	57	56	-1	-1.75%	0	1	1
25-1123	English Language and Literature Teachers, Postsecondary	58	57	-1	-1.72%	0	1	1
25-1191	Graduate Teaching Assistants	490	483	-7	-1.43%	0	11	11
25-1199	Postsecondary Teachers, All Other	204	200	-4	-1.96%	0	5	5
25-2000	Primary, Secondary, and Special Education School Teachers	2,416	2,494	78	3.23%	39	51	90
25-2011	Preschool Teachers, Except Special Education	85	89	4	4.71%	2	1	3
25-2012	Kindergarten Teachers, Except Special Education	79	82	3	3.80%	2	1	3
25-2031	Secondary School Teachers, Except Special and Vocational Education	640	658	18	2.81%	9	17	26
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	88	94	6	6.82%	3	2	5
25-3000	Other Teachers and Instructors	205	212	7	3.41%	4	2	6
25-3021	Self-Enrichment Education Teachers	140	146	6	4.29%	3	2	5
25-3099	Teachers and Instructors, All Other	56	57	1	1.79%	1	1	1
25-4000	Librarians, Curators, and Archivists	195	195	0	0.00%	1	5	6
25-4021	Librarians	66	65	-1	-1.52%	0	2	2
25-4031	Library Technicians	54	53	-1	-1.85%	0	2	2
25-9000	Other Education, Training, and Library Occupations	596	608	12	2.01%	7	9	16
25-9031	Instructional Coordinators	233	232	-1	-0.43%	0	3	3
25-9041	Teacher Assistants	300	313	13	4.33%	7	5	12
25-9099	Education, Training, and Library Workers, All Other	63	63	0	0.00%	0	1	1
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>1,144</b>	<b>1,168</b>	<b>24</b>	<b>2.10%</b>	<b>19</b>	<b>17</b>	<b>36</b>

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27-1000	Art and Design Workers	426	444	18	4.23%	10	6	16
27-1024	Graphic Designers	272	283	11	4.04%	6	3	9
27-2000	Entertainers and Performers, Sports and Related Workers	138	139	1	0.72%	2	3	4
27-2042	Musicians and Singers	55	58	3	5.45%	2	1	3
27-3000	Media and Communication Workers	398	401	3	0.75%	5	6	11
27-3031	Public Relations Specialists	86	89	3	3.49%	2	1	3
27-3041	Editors	76	72	-4	-5.26%	0	2	2
27-3091	Interpreters and Translators	113	119	6	5.31%	3	2	5
27-4000	Media and Communication Equipment Workers	182	184	2	1.10%	2	3	5
27-4021	Photographers	111	115	4	3.60%	2	2	4
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>3,170</b>	<b>3,333</b>	<b>163</b>	<b>5.14%</b>	<b>82</b>	<b>52</b>	<b>134</b>
29-1000	Health Diagnosing and Treating Practitioners	1,623	1,707	84	5.18%	42	28	70
29-1021	Dentists, General	67	68	1	1.49%	1	1	2
29-1051	Pharmacists	67	73	6	8.96%	3	1	4
29-1111	Registered Nurses	605	640	35	5.79%	18	11	29
29-1123	Physical Therapists	152	163	11	7.24%	6	1	7
29-1126	Respiratory Therapists	169	179	10	5.92%	5	6	11
29-1199	Health Diagnosing and Treating Practitioners, All Other	157	164	7	4.46%	4	3	7
29-2000	Health Technologists and Technicians	1,412	1,485	73	5.17%	37	22	59
29-2011	Medical and Clinical Laboratory Technologists	85	88	3	3.53%	2	2	4
29-2021	Dental Hygienists	91	95	4	4.40%	2	1	3
29-2031	Cardiovascular Technologists and Technicians	99	105	6	6.06%	3	2	5
29-2034	Radiologic Technologists and Technicians	176	185	9	5.11%	5	3	8
29-2041	Emergency Medical Technicians and Paramedics	55	58	3	5.45%	2	1	2
29-2052	Pharmacy Technicians	83	93	10	12.05%	5	1	6
29-2053	Psychiatric Technicians	60	63	3	5.00%	2	1	2
29-2061	Licensed Practical and Licensed Vocational Nurses	349	358	9	2.58%	5	7	12
29-2071	Medical Records and Health Information Technicians	209	221	12	5.74%	6	3	9
29-2081	Opticians, Dispensing	55	58	3	5.45%	2	1	3
29-9000	Other Healthcare Practitioners and Technical Occupations	135	141	6	4.44%	3	3	6
29-9099	Healthcare Practitioners and Technical Workers, All Other	92	97	5	5.43%	3	2	4
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>1,781</b>	<b>1,889</b>	<b>108</b>	<b>6.06%</b>	<b>54</b>	<b>29</b>	<b>83</b>
31-1000	Nursing, Psychiatric, and Home Health Aides	820	870	50	6.10%	25	10	35
31-1011	Home Health Aides	291	313	22	7.56%	11	4	15
31-1012	Nursing Aides, Orderlies, and Attendants	529	557	28	5.29%	14	7	21
31-9000	Other Healthcare Support Occupations	926	982	56	6.05%	28	19	47
31-9011	Massage Therapists	231	245	14	6.06%	7	5	12
31-9091	Dental Assistants	166	176	10	6.02%	5	5	10
31-9092	Medical Assistants	241	260	19	7.88%	10	5	14

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31-9094	Medical Transcriptionists	130	136	6	4.62%	3	3	6
31-9099	Healthcare Support Workers, All Other	112	116	4	3.57%	2	2	4
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>1,277</b>	<b>1,292</b>	<b>15</b>	<b>1.17%</b>	<b>12</b>	<b>43</b>	<b>55</b>
33-1000	First-Line Supervisors/Managers, Protective Service Workers							
		161	165	4	2.48%	2	5	7
33-1012	First-Line Supervisors/Managers of Police and Detectives	52	53	1	1.92%	1	2	2
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	52	54	2	3.85%	1	2	3
33-2000	Fire Fighting and Prevention Workers	183	193	10	5.46%	5	5	10
33-2011	Fire Fighters	178	188	10	5.62%	5	5	10
33-3000	Law Enforcement Workers	379	381	2	0.53%	3	9	12
33-3012	Correctional Officers and Jailers	88	86	-2	-2.27%	0	2	2
33-3021	Detectives and Criminal Investigators	54	56	2	3.70%	1	2	3
33-3051	Police and Sheriff's Patrol Officers	189	193	4	2.12%	2	5	7
33-9000	Other Protective Service Workers	554	553	-1	-0.18%	2	25	27
33-9032	Security Guards	338	334	-4	-1.18%	0	8	8
33-9099	Protective Service Workers, All Other	133	134	1	0.75%	1	15	15
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>8,602</b>	<b>9,031</b>	<b>429</b>	<b>4.99%</b>	<b>215</b>	<b>427</b>	<b>641</b>
35-1000	Supervisors, Food Preparation and Serving Workers	640	670	30	4.69%	15	18	33
35-1011	Chefs and Head Cooks	127	133	6	4.72%	3	5	8
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	513	537	24	4.68%	12	13	25
35-2000	Cooks and Food Preparation Workers	2,449	2,586	137	5.59%	69	100	169
35-2011	Cooks, Fast Food	872	918	46	5.28%	23	35	58
35-2012	Cooks, Institution and Cafeteria	125	128	3	2.40%	2	5	7
35-2014	Cooks, Restaurant	790	831	41	5.19%	21	32	52
35-2015	Cooks, Short Order	144	150	6	4.17%	3	6	9
35-2021	Food Preparation Workers	517	558	41	7.93%	21	24	44
35-3000	Food and Beverage Serving Workers	4,297	4,505	208	4.84%	104	256	360
35-3011	Bartenders	347	364	17	4.90%	9	14	22
35-3021	Combined Food Preparation and Serving Workers, Including	1,427	1,498	71	4.98%	36	78	114
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	407	426	19	4.67%	10	43	53
35-3031	Waiters and Waitresses	1,951	2,046	95	4.87%	48	114	162
35-3041	Food Servers, Nonrestaurant	165	171	6	3.64%	3	7	10
35-9000	Other Food Preparation and Serving Related Workers	1,216	1,270	54	4.44%	27	54	81
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	309	322	13	4.21%	7	14	21
35-9021	Dishwashers	521	545	24	4.61%	12	25	37



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35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	357	373	16	4.48%	8	14	22
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>3,051</b>	<b>3,152</b>	<b>101</b>	<b>3.31%</b>	<b>52</b>	<b>60</b>	<b>112</b>
37-1000	Supervisors, Building and Grounds Cleaning and Maintenance	306	317	11	3.59%	6	5	10
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	160	167	7	4.38%	4	4	7
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn	146	150	4	2.74%	2	1	3
37-2000	Building Cleaning and Pest Control Workers	2,161	2,252	91	4.21%	46	43	88
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	844	871	27	3.20%	14	16	30
37-2012	Maids and Housekeeping Cleaners	1,300	1,364	64	4.92%	32	27	59
37-3000	Grounds Maintenance Workers	584	583	-1	-0.17%	1	13	14
37-3011	Landscaping and Groundskeeping Workers	564	562	-2	-0.35%	0	13	13
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>2,094</b>	<b>2,197</b>	<b>103</b>	<b>4.92%</b>	<b>52</b>	<b>50</b>	<b>102</b>
39-1000	Supervisors, Personal Care and Service Workers	184	191	7	3.80%	4	5	8
39-1021	First-Line Supervisors/Managers of Personal Service Workers	181	188	7	3.87%	4	5	8
39-2000	Animal Care and Service Workers	143	151	8	5.59%	4	4	8
39-2021	Nonfarm Animal Caretakers	141	149	8	5.67%	4	4	8
39-3000	Entertainment Attendants and Related Workers	177	185	8	4.52%	4	7	11
39-3091	Amusement and Recreation Attendants	128	134	6	4.69%	3	5	8
39-5000	Personal Appearance Workers	399	419	20	5.01%	10	7	17
39-5012	Hairdressers, Hairstylists, and Cosmetologists	394	413	19	4.82%	10	7	17
39-6000	Transportation, Tourism, and Lodging Attendants	288	300	12	4.17%	6	8	14
39-6021	Tour Guides and Escorts	191	199	8	4.19%	4	6	10
39-9000	Other Personal Care and Service Workers	903	951	48	5.32%	24	21	45
39-9011	Child Care Workers	276	290	14	5.07%	7	8	15
39-9021	Personal and Home Care Aides	82	87	5	6.10%	3	1	4
39-9031	Fitness Trainers and Aerobics Instructors	230	244	14	6.09%	7	5	12
39-9032	Recreation Workers	231	242	11	4.76%	6	5	11
39-9041	Residential Advisors	56	58	2	3.57%	1	1	2
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>6,923</b>	<b>7,268</b>	<b>345</b>	<b>4.98%</b>	<b>183</b>	<b>278</b>	<b>460</b>
41-1000	Supervisors, Sales Workers	1,141	1,188	47	4.12%	25	19	44
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	985	1,035	50	5.08%	25	16	41
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	156	153	-3	-1.92%	0	3	3
41-2000	Retail Sales Workers	4,490	4,757	267	5.95%	134	232	365
41-2011	Cashiers	2,052	2,156	104	5.07%	52	133	185

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41-2021	Counter and Rental Clerks	216	229	13	6.02%	7	10	17
41-2022	Parts Salespersons	77	78	1	1.30%	1	3	3
41-2031	Retail Salespersons	2,144	2,293	149	6.95%	75	87	161
41-3000	Sales Representatives, Services	326	339	13	3.99%	7	6	13
41-3021	Insurance Sales Agents	138	145	7	5.07%	4	3	7
41-3099	Sales Representatives, Services, All Other	111	113	2	1.80%	1	2	3
41-4000	Sales Representatives, Wholesale and Manufacturing	483	509	26	5.38%	13	13	26
41-4011	Sales Representatives, Wholesale and Manufacturing,	70	77	7	10.00%	4	2	6
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	413	432	19	4.60%	10	11	20
41-9000	Other Sales and Related Workers	483	475	-8	-1.66%	5	9	14
41-9021	Real Estate Brokers	55	57	2	3.64%	1	1	2
41-9022	Real Estate Sales Agents	158	161	3	1.90%	2	3	5
41-9041	Telemarketers	217	200	-17	-7.83%	0	4	4
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>12,248</b>	<b>12,367</b>	<b>119</b>	<b>0.97%</b>	<b>113</b>	<b>286</b>	<b>399</b>
43-1000	Supervisors, Office and Administrative Support Workers	663	676	13	1.96%	7	13	20
43-1011	First-Line Supervisors/Managers of Office and Administrative	663	676	13	1.96%	7	13	20
43-2000	Communications Equipment Operators	108	108	0	0.00%	0	3	3
43-2011	Switchboard Operators, Including Answering Service	80	80	0	0.00%	0	2	2
43-3000	Financial Clerks	1,682	1,716	34	2.02%	17	38	55
43-3011	Bill and Account Collectors	129	133	4	3.10%	2	3	5
43-3021	Billing and Posting Clerks and Machine Operators	300	302	2	0.67%	1	5	6
43-3031	Bookkeeping, Accounting, and Auditing Clerks	930	947	17	1.83%	9	17	25
43-3051	Payroll and Timekeeping Clerks	114	115	1	0.88%	1	3	4
43-3071	Tellers	188	198	10	5.32%	5	11	16
43-4000	Information and Record Clerks	3,089	3,191	102	3.30%	60	81	141
43-4031	Court, Municipal, and License Clerks	56	57	1	1.79%	1	1	2
43-4051	Customer Service Representatives	890	938	48	5.39%	24	13	37
43-4061	Eligibility Interviewers, Government Programs	78	75	-3	-3.85%	0	2	2
43-4071	File Clerks	77	71	-6	-7.79%	0	3	3
43-4081	Hotel, Motel, and Resort Desk Clerks	495	524	29	5.86%	15	25	40
43-4111	Interviewers, Except Eligibility and Loan	133	140	7	5.26%	4	4	7
43-4121	Library Assistants, Clerical	120	119	-1	-0.83%	0	6	6
43-4131	Loan Interviewers and Clerks	63	65	2	3.17%	1	1	2
43-4161	Human Resources Assistants, Except Payroll and	105	107	2	1.90%	1	2	3
43-4171	Receptionists and Information Clerks	730	755	25	3.42%	13	19	32
43-4181	Reservation and Transportation Ticket Agents and Travel	78	83	5	6.41%	3	2	5
43-4199	Information and Record Clerks, All Other	201	193	-8	-3.98%	0	3	3

Standard Occupation Classification (SOC) <sup>2</sup>		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2006 Estimated	2008 Projected	Number	Percent	Due to Growth	Due to Separations	Total <sup>3</sup>
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	1,202	1,212	10	0.83%	16	38	54
43-5021	Couriers and Messengers	73	72	-1	-1.37%	0	2	2
43-5031	Police, Fire, and Ambulance Dispatchers	77	79	2	2.60%	1	2	3
43-5032	Dispatchers, Except Police, Fire, and Ambulance	60	62	2	3.33%	1	1	2
43-5041	Meter Readers, Utilities	61	57	-4	-6.56%	0	2	2
43-5052	Postal Service Mail Carriers	113	105	-8	-7.08%	0	4	4
43-5061	Production, Planning, and Expediting Clerks	98	102	4	4.08%	2	3	5
43-5071	Shipping, Receiving, and Traffic Clerks	273	283	10	3.66%	5	6	11
43-5081	Stock Clerks and Order Fillers	337	349	12	3.56%	6	17	23
43-6000	Secretaries and Administrative Assistants	2,003	2,016	13	0.65%	12	35	47
43-6011	Executive Secretaries and Administrative Assistants	808	823	15	1.86%	8	14	22
43-6012	Legal Secretaries	55	58	3	5.45%	2	1	3
43-6013	Medical Secretaries	168	174	6	3.57%	3	3	6
43-6014	Secretaries, Except Legal, Medical, and Executive	972	961	-11	-1.13%	0	17	17
43-9000	Other Office and Administrative Support Workers	3,501	3,448	-53	-1.51%	2	79	81
43-9011	Computer Operators	65	59	-6	-9.23%	0	2	2
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	87	81	-6	-6.90%	0	3	3
43-9061	Office Clerks, General	3,182	3,139	-43	-1.35%	0	71	71
43-9199	Office and Administrative Support Workers, All Other	64	67	3	4.69%	2	2	3
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>130</b>	<b>138</b>	<b>8</b>	<b>6.15%</b>	<b>4</b>	<b>4</b>	<b>8</b>
45-2000	Agricultural Workers	96	102	6	6.25%	3	3	6
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	82	87	5	6.10%	3	3	5
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>4,359</b>	<b>3,953</b>	<b>-406</b>	<b>-9.31%</b>	<b>4</b>	<b>78</b>	<b>82</b>
47-1000	Supervisors, Construction and Extraction Workers	289	262	-27	-9.34%	0	4	4
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	289	262	-27	-9.34%	0	4	4
47-2000	Construction Trades Workers	3,528	3,177	-351	-9.95%	2	59	61
47-2021	Brickmasons and Blockmasons	405	358	-47	-11.60%	0	6	6
47-2031	Carpenters	811	732	-79	-9.74%	0	12	12
47-2041	Carpet Installers	56	57	1	1.79%	1	1	2
47-2051	Cement Masons and Concrete Finishers	146	132	-14	-9.59%	0	3	3
47-2061	Construction Laborers	455	392	-63	-13.85%	0	6	6
47-2071	Paving, Surfacing, and Tamping Equipment Operators	76	78	2	2.63%	1	1	2
47-2073	Operating Engineers and Other Construction Equipment Operators	234	226	-8	-3.42%	0	6	6
47-2081	Drywall and Ceiling Tile Installers	123	108	-15	-12.20%	0	3	3



Standard Occupation Classification (SOC) <sup>2</sup>		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2006 Estimated	2008 Projected	Number	Percent	Due to Growth	Due to Separations	Total <sup>3</sup>
47-2082	Tapers	52	46	-6	-11.54%	0	1	1
47-2111	Electricians	332	297	-35	-10.54%	0	6	6
47-2141	Painters, Construction and Maintenance	333	301	-32	-9.61%	0	5	5
47-2152	Plumbers, Pipefitters, and Steamfitters	222	196	-26	-11.71%	0	5	5
47-2181	Roofers	69	61	-8	-11.59%	0	2	2
47-2211	Sheet Metal Workers	59	54	-5	-8.47%	0	2	2
47-3000	Helpers, Construction Trades	237	210	-27	-11.39%	0	10	10
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	79	71	-8	-10.13%	0	4	4
47-4000	Other Construction and Related Workers	254	254	0	0.00%	2	4	6
47-4051	Highway Maintenance Workers	127	129	2	1.57%	1	2	3
47-5000	Extraction Workers	51	50	-1	-1.96%	0	1	1
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>2,841</b>	<b>2,942</b>	<b>101</b>	<b>3.56%</b>	<b>57</b>	<b>65</b>	<b>122</b>
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	241	252	11	4.56%	6	6	11
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	241	252	11	4.56%	6	6	11
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	179	183	4	2.23%	4	3	7
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	62	61	-1	-1.61%	0	1	1
49-3000	Vehicle and Mobile Equipment Mechanics, Installers	1,142	1,191	49	4.29%	25	32	57
49-3011	Aircraft Mechanics and Service Technicians	68	71	3	4.41%	2	2	3
49-3021	Automotive Body and Related Repairers	140	143	3	2.14%	2	3	4
49-3023	Automotive Service Technicians and Mechanics	389	408	19	4.88%	10	10	20
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	71	74	3	4.23%	2	2	4
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	52	54	2	3.85%	1	1	2
49-3043	Rail Car Repairers	61	63	2	3.28%	1	1	2
49-3051	Motorboat Mechanics	50	54	4	8.00%	2	1	3
49-3091	Bicycle Repairers	60	63	3	5.00%	2	3	5
49-3093	Tire Repairers and Changers	147	149	2	1.36%	1	8	9
49-9000	Other Installation, Maintenance, and Repair Occupations	1,279	1,316	37	2.89%	23	25	48
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	110	102	-8	-7.27%	0	2	2
49-9031	Home Appliance Repairers	50	51	1	2.00%	1	1	2
49-9042	Maintenance and Repair Workers, General	898	935	37	4.12%	19	16	35
49-9051	Electrical Power-Line Installers and Repairers	53	54	1	1.89%	1	2	2
49-9098	Helpers--Installation, Maintenance, and Repair Workers	65	68	3	4.62%	2	3	4
<b>51-0000</b>	<b>Production Occupations</b>	<b>2,387</b>	<b>2,533</b>	<b>146</b>	<b>6.12%</b>	<b>76</b>	<b>57</b>	<b>133</b>

Standard Occupation Classification (SOC) <sup>2</sup>		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2006 Estimated	2008 Projected	Number	Percent	Due to Growth	Due to Separations	Total <sup>3</sup>
51-1000	Supervisors, Production Workers	155	165	10	6.45%	5	3	8
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	155	165	10	6.45%	5	3	8
51-2000	Assemblers and Fabricators	410	436	26	6.34%	13	10	23
51-2092	Team Assemblers	355	376	21	5.92%	11	9	20
51-3000	Food Processing Workers	242	266	24	9.92%	12	6	18
51-3011	Bakers	76	83	7	9.21%	4	2	6
51-3021	Butchers and Meat Cutters	66	71	5	7.58%	3	2	4
51-3092	Food Batchmakers	71	79	8	11.27%	4	2	6
51-4000	Metal Workers and Plastic Workers	289	314	25	8.65%	13	6	18
51-4041	Machinists	81	90	9	11.11%	5	2	7
51-4121	Welders, Cutters, Solderers, and Brazers	61	64	3	4.92%	2	2	3
51-6000	Textile, Apparel, and Furnishings Workers	279	284	5	1.79%	4	7	11
51-6011	Laundry and Dry-Cleaning Workers	155	158	3	1.94%	2	5	6
51-8000	Plant and System Operators	192	194	2	1.04%	2	6	8
51-8031	Water and Liquid Waste Treatment Plant and System Operators	142	146	4	2.82%	2	5	7
51-9000	Other Production Occupations	734	784	50	6.81%	26	18	44
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	156	169	13	8.33%	7	4	10
51-9196	Paper Goods Machine Setters, Operators, and Tenders	161	176	15	9.32%	8	4	11
51-9198	Helpers--Production Workers	130	137	7	5.38%	4	4	8
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>4,200</b>	<b>4,369</b>	<b>169</b>	<b>4.02%</b>	<b>90</b>	<b>94</b>	<b>184</b>
53-1000	Supervisors, Transportation and Material Moving Workers	174	187	13	7.47%	7	4	10
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	71	77	6	8.45%	3	2	5
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	99	106	7	7.07%	4	2	6
53-2000	Air Transportation Workers	81	82	1	1.23%	1	2	3
53-2012	Commercial Pilots	64	65	1	1.56%	1	2	2
53-3000	Motor Vehicle Operators	1,862	1,955	93	4.99%	47	25	71
53-3021	Bus Drivers, Transit and Intercity	50	51	1	2.00%	1	1	2
53-3022	Bus Drivers, School	196	200	4	2.04%	2	4	6
53-3031	Driver/Sales Workers	388	419	31	7.99%	16	6	22
53-3032	Truck Drivers, Heavy and Tractor-Trailer	474	490	16	3.38%	8	7	15
53-3033	Truck Drivers, Light or Delivery Services	410	441	31	7.56%	16	4	19
53-3041	Taxi Drivers and Chauffeurs	277	285	8	2.89%	4	2	6
53-3099	Motor Vehicle Operators, All Other	67	69	2	2.99%	1	1	2
53-4000	Rail Transportation Workers	162	169	7	4.32%	4	4	8
53-4031	Railroad Conductors and Yardmasters	83	89	6	7.23%	3	2	5

Standard Occupation Classification (SOC) <sup>2</sup>		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2006 Estimated	2008 Projected	Number	Percent	Due to Growth	Due to Separations	Total <sup>3</sup>
53-5000	Water Transportation Workers	105	109	4	3.81%	2	3	5
53-5021	Captains, Mates, and Pilots of Water Vessels	102	106	4	3.92%	2	3	5
53-6000	Other Transportation Workers	211	217	6	2.84%	4	9	13
53-6021	Parking Lot Attendants	82	81	-1	-1.22%	0	3	3
53-6031	Service Station Attendants	100	106	6	6.00%	3	6	9
53-7000	Material Moving Workers	1,605	1,650	45	2.80%	27	49	76
53-7032	Excavating and Loading Machine and Dragline Operators	78	71	-7	-8.97%	0	2	2
53-7051	Industrial Truck and Tractor Operators	129	138	9	6.98%	5	3	7
53-7061	Cleaners of Vehicles and Equipment	110	113	3	2.73%	2	4	6
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	786	803	17	2.16%	9	30	38
53-7064	Packers and Packagers, Hand	389	410	21	5.40%	11	8	18

<sup>1</sup> Flagstaff MSA (Metropolitan Statistical Area) = all of Coconino county

<sup>2</sup> For more information on the Standard Occupational Classification (SOC) system, go to: [www.bls.gov/soc/socguide.htm](http://www.bls.gov/soc/socguide.htm)  
For Occupational Dictionary, see: [http://www.bls.gov/oes/current/oes\\_stru.htm](http://www.bls.gov/oes/current/oes_stru.htm)

<sup>3</sup> Total average annual openings are the sum of openings from growth plus openings from separations. Separations are vacancies caused by workers leaving the labor market or changing occupations. Thus an occupation that is not growing or is in decline could still have openings due to separations.  
Some occupation data suppressed due to confidentiality or base employment less than 50.

Prepared by Arizona Dept of Commerce, Research Administration in cooperation with the U.S. Dept of Labor, Bureau of Labor Statistics, January 2008.

Headings in bold font are the major occupational groups of the Standard Occupational Classification (SOC) system.  
Major occupational groups of the SOC are a composite of all individual occupations listed below the major group heading.

Occupation codes ending in 000 (e.g. 11-1000, 11-2000, 11-3000, etc) are a summation of all the occupations listed below them.

The projections presented should be viewed as indicators of relative magnitude and probable direction rather than as forecasts of absolute occupational demand.  
Furthermore, the occupational forecasts are only measures of expected employment and demand for labor and indicate little about future labor supply.  
It is therefore recommended that these data be used with other sources of occupational information.

[See Notes worksheet for additional information on methodology.](#)

For more information on occupational projections, visit: <http://stats.bls.gov/emp/optd/home.htm>

## Methodology

Before using the data in this report, readers should understand this methodology and note its limitations. **The projections presented should be viewed as indicators of relative magnitude and probable direction rather than as forecasts of absolute occupational demand.**

Furthermore, the occupational forecasts are only measures of expected employment and demand for labor and indicate little about future labor supply. It is therefore recommended that these data be used with other sources of occupational information.

The total occupational employment of the forecast will be greater than the total nonfarm employment estimated by the Current Employment Statistics (CES) program and Occupational Employment Survey (OES) program for the following reasons. First, self employed, unpaid family workers, and agriculture workers are included in the projections, but not in CES and OES. Next, some industries are not included in the OES data because of low survey response rate and a base employment level that is too small to make any statistically significant estimates.

Employment projections provided in this publication were developed in cooperation with and using techniques based on those developed by the U.S Department of Labor's Bureau of Labor Statistics. This methodology is comprised of five basic steps:

- 1) Industry employment data is compiled from CES and unemployment insurance tax records.
- 2) A fraction of the industry employment is assumed to be self employed or unpaid family workers. The fraction is determined from national surveys and is added to the state's industry employment data.
- 3) Staffing patterns from state and national data are used to divide each industry's total employment into the different occupations for that industry.
- 4) Each industry's total employment is calculated during the forecast period according to the short term industry projections for the same time period that were produced by DES Research Administration. The short term industry projections are available online at:  
<http://www.workforce.az.gov/?PAGEID=67&SUBID=174>
- 5) Total employment in any occupation is not only calculated by changes in the total industry employment, but also by changes in share of that occupation's employment in each industry. The change in the share of total industry employment of any occupation is known as the occupational change factor. When the occupational change factor is determined for each occupation in every industry, the occupational forecasts are finished.

To avoid the possible disclosure of confidential employer information, employment data have been suppressed if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; or two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases may have been obtained from large employers to waive the confidentiality criteria.